

### Abstract

A mounting cylinder (1) for mounting cylindrical embossing tools for embossing rolls for embossing diffraction gratings or holograms includes a mounting shell (3) for mounting the embossing tool and a fixing device for fixing the mounting shell (3) on a shaft (2) and a tempering device for tempering the mounting shell. According to one variant, the embossing tool is expanded by compressed air in order to be slipped onto the mounting shell or removed therefrom, a compressed air channel system (8) with radial compressed air discharge openings (11) extending axially and/or tangentially within the mounting shell (3). According to another variant, the mounting shell is expanded mechanically in order to fix a embossing tool slipped over the mounting shell and simultaneously fix the mounting shell (3) on the shaft (2).